

# PATENT ABSTRACTS OF JAPAN

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## (54) MOTOR-DRIVEN TOOTH BRUSH

(57)Abstract:

**PURPOSE:** To provide a motor-driven tooth brush which can be manufactured at a low cost, having a high strength for attachment of a replaceable brush, and which can efficiently transmit oscillation or reciprocal motion to the replaceable brush.

**CONSTITUTION:** A motor-driven tooth brush is composed of a motor-driven brush body 3 having a shank 22 projected from one end of a casing 2, and a support cylinder 2 coaxial with the shank 2, an outer cylinder having a proximal end part fitted in said support cylinder 23, an inner cylinder 34 arranged in the outer cylinder 33, coaxial with the latter and defining an annular groove 35 between itself and the outer cylinder 35 and fitted on the shank 22, and a replaceable brush 5 which is removably attached to the body 4 by making the outer surface of the outer cylinder into press and surface contact with the inner surface of the support cylinder 23 in a condition in which the replaceable brush 5 is attached to the body 4.

